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=> d his ful

     (FILE 'REGISTRY' ENTERED AT 07:50:11 ON 17 OCT 2005)
               DEL HIS Y
               ACT ROBINSON/A
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L1           888 SEA ABB=ON  PLU=ON  DAHKSEVAHR.*VHTECCHGDLLE.*PTLVEVSRNL.*FAEEG
                 KKLVAASQAALGL/SQSP
                 ---------

     FILE 'CAPLUS' ENTERED AT 07:52:40 ON 17 OCT 2005
L2           128 SEA ABB=ON  PLU=ON  L1
L3        171094 SEA ABB=ON  PLU=ON  FUSION/OBI OR CHIMER?/OBI
L4            50 SEA ABB=ON  PLU=ON  L2 AND L3
L5         83248 SEA ABB=ON  PLU=ON  ALBUMIN?/OBI
L6           107 SEA ABB=ON  PLU=ON  L5 AND L2
L7            48 SEA ABB=ON  PLU=ON  L6 AND L3
L8           399 SEA ABB=ON  PLU=ON  FRACTALKINE#/BI
L9             3 SEA ABB=ON  PLU=ON  HJACE54/BI
L10            1 SEA ABB=ON  PLU=ON  L2 AND L8
L11            0 SEA ABB=ON  PLU=ON  L2 AND L9
L12        18119 SEA ABB=ON  PLU=ON  CHEMOKINE#/OBI
L13           10 SEA ABB=ON  PLU=ON  L12 AND L2

     FILE 'REGISTRY' ENTERED AT 07:59:23 ON 17 OCT 2005
L14            4 SEA ABB=ON  PLU=ON  HJACE54

L15            2 SEA ABB=ON  PLU=ON  L14 AND PS/FS

     FILE 'CAPLUS' ENTERED AT 08:00:42 ON 17 OCT 2005
L16            4 SEA ABB=ON  PLU=ON  L15
L17            0 SEA ABB=ON  PLU=ON  L2 AND L16



=> fil reg
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DICTIONARY FILE UPDATES:  16 OCT 2005  HIGHEST RN 865349-47-9

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* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,    *
* effective March 20, 2005.  A new display format, IDERL, is now     *
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* available and contains the CA role and document type information. *
*
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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

=> d que l1
L1 888 SEA FILE=REGISTRY ABB=ON PLU=ON DAHKSEVAHR.*VHTECCHGDLLE.*PTL VEVSRNL.*FAEEGKKLVAASQAALGL/SQSP

=> d que l15
L14 4 SEA FILE=REGISTRY ABB=ON PLU=ON HJACE54
L15 2 SEA FILE=REGISTRY ABB=ON PLU=ON L14 AND PS/FS

=> d l15 1-2

L15 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
RN 578031-57-9 REGISTRY
ED Entered STN: 03 Sep 2003
CN **Galectin-11 (human clone HJACE54/ATCC-209053) (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN 2: PN: US6605699 SEQID: 2 claimed protein
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

RELATED SEQUENCES AVAILABLE WITH SEQLINK

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L15 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2005 ACS on STN
RN 210478-30-1 REGISTRY
ED Entered STN: 27 Aug 1998
CN **Receptor (human clone HJACE54) (9CI)** (CA INDEX NAME)
OTHER NAMES:
CN 11: PN: WO0001728 SEQID: 2 claimed protein
CN 1: PN: WO0063221 SEQID: 2 claimed protein
CN 26: PN: WO0063221 FIGURE: 2 unclaimed sequence
CN **Galectin 11 (human clone HJACE54)**
FS PROTEIN SEQUENCE
MF Unspecified
CI MAN

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SR   CA
LC   STN Files:   CA, CAPLUS, TOXCENTER

**RELATED SEQUENCES AVAILABLE WITH SEQLINK**

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***
*** USE 'SQD' OR 'SQIDE' FORMATS TO DISPLAY SEQUENCE ***
               3 REFERENCES IN FILE CA (1907 TO DATE)
               2 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
               3 REFERENCES IN FILE CAPLUS (1907 TO DATE)


=> fil caplus
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FILE LAST UPDATED: 16 Oct 2005  (20051016/ED)

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'OBI' IS DEFAULT SEARCH FIELD FOR 'CAPLUS' FILE

=> d que l10;d que l17
L1          888 SEA FILE=REGISTRY ABB=ON  PLU=ON  DAHKSEVAHR.*VHTECCHGDLLE.*PTL
                VEVSRNL.*FAEEGKKLVAASQAALGL/SQSP
L2          128 SEA FILE=CAPLUS ABB=ON  PLU=ON  L1
L8          399 SEA FILE=CAPLUS ABB=ON  PLU=ON  FRACTALKINE#/BI
L10           1 SEA FILE=CAPLUS ABB=ON  PLU=ON  L2 AND L8



L1          888 SEA FILE=REGISTRY ABB=ON  PLU=ON  DAHKSEVAHR.*VHTECCHGDLLE.*PTL
                VEVSRNL.*FAEEGKKLVAASQAALGL/SQSP
L2          128 SEA FILE=CAPLUS ABB=ON  PLU=ON  L1
L14           4 SEA FILE=REGISTRY ABB=ON  PLU=ON  HJACE54
L15           2 SEA FILE=REGISTRY ABB=ON  PLU=ON  L14 AND PS/FS
L16           4 SEA FILE=CAPLUS ABB=ON  PLU=ON  L15
L17           0 SEA FILE=CAPLUS ABB=ON  PLU=ON  L2 AND L16


=> d all l10

L10  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2005 ACS on STN
```

AN 2001:781079 CAPLUS
DN 135:348851
ED Entered STN: 26 Oct 2001
TI Albumin fusion proteins with therapeutic proteins for improved shelf-life
IN Rosen, Craig A.; Haseltine, William A.
PA Human Genome Sciences, Inc, USA
SO PCT Int. Appl., 606 pp.
CODEN: PIXXD2
DT Patent
LA English
IC ICM C12N
CC 63-3 (Pharmaceuticals)
Section cross-reference(s): 3, 15
FAN.CNT 8

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001079444	A2	20011025	WO 2001-US12013	20010412
	WO 2001079444	A3	20020523		
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
	AU 2001074809	A5	20011020	AU 2001-74809	20010412
	CA 2405557	AA	20011025	CA 2001-2405557	20010412
	EP 1278544	A2	20030129	EP 2001-941457	20010412
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
	US 2003125247	A1	20030703	US 2001-833041	20010412
	US 2003171267	A1	20030911	US 2001-833117	20010412
	JP 2003530847	T2	20031021	JP 2001-577428	20010412
	US 2003199043	A1	20031023	US 2001-832501	20010412
	US 2003219875	A1	20031127	US 2001-833118	20010412
	US 6905688	B2	20050614		
	US 2004010134	A1	20040115	US 2001-833245	20010412
	US 6946134	B1	20050920	US 2001-833111	20010412
	US 2005100991	A1	20050512	US 2004-932104	20040902
PRAI	US 2000-229358P	P	20000412		
	US 2000-199384P	P	20000425		
	US 2000-256931P	P	20001221		
	US 2001-833118	A3	20010412		
	WO 2001-US12013	W	20010412		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
WO 2001079444	ICM	C12N
WO 2001079444	ECLA	C07K014/56; C07K014/61; C07K014/62; C07K014/65; C07K014/705; C07K014/715B; C07K014/76; C07K014/765
US 2003125247	NCL	514/012.000
	ECLA	C07K014/56; C07K014/65; C07K014/705; C07K014/715B; C07K014/76; C07K014/765; C07K014/61; C07K014/62
US 2003171267	NCL	514/012.000
	ECLA	C07K014/56; C07K014/61; C07K014/62; C07K014/65; C07K014/705; C07K014/715B; C07K014/76; C07K014/765
US 2003199043	NCL	435/069.700

	ECLA	C07K014/56; C07K014/61; C07K014/62; C07K014/65; C07K014/705; C07K014/715B; C07K014/76; C07K014/765
US 2003219875	NCL	435/069.700
	ECLA	C07K014/56; C07K014/61; C07K014/62; C07K014/65; C07K014/705; C07K014/715B; C07K014/76; C07K014/765
US 2004010134	NCL	536/023.500
	ECLA	C07K014/56; C07K014/61; C07K014/62; C07K014/65; C07K014/705; C07K014/715B; C07K014/76; C07K014/765
US 6946134	NCL	424/192.100; 514/012.000; 530/350.000; 435/007.100; 435/006.000; 435/320.100; 536/023.100
US 2005100991	NCL	435/069.700
	ECLA	C07K014/56; C07K014/61; C07K014/62; C07K014/65; C07K014/705; C07K014/715B; C07K014/76; C07K014/765

AB The present invention encompasses fusion proteins of albumin with various therapeutic proteins. Therapeutic proteins may be stabilized to extend the shelf-life, and/or to retain the therapeutic protein's activity for extended periods of time in solution, in vitro and/or in vivo, by genetically or chemical fusing or conjugating the therapeutic protein to albumin or a fragment or variant of albumin. Use of albumin fusion proteins may also reduce the need to formulate the protein solns. with large excesses of carrier proteins to prevent loss of therapeutic proteins due to factors such as binding to the container. Nucleic acid mols. encoding the albumin fusion proteins of the invention are also encompassed by the invention, as are vectors containing these nucleic acids, host cells transformed with these nucleic acids vectors, and methods of making the albumin fusion proteins of the invention and using these nucleic acids, vectors, and/or host cells. Thus, plasmid vectors are constructed in which DNA encoding the desired therapeutic protein may be inserted for expression of the albumin fusion proteins in yeast (pPPC0005) and mammalian cells (pC4:HSA). Yeast-derived signal sequences from Saccharomyces cerevisiae invertase SUC2 gene, or the stanniocalcin or native human serum albumin signal peptides, are used for secretion in yeast or mammalian systems, resp. Thus, the fusion product of human growth hormone with residues 1-387 of human serum albumin retains essentially intact biol. activity after 5 wk of incubation in tissue culture media at 37°, whereas recombinant human growth hormone used as control lost its biol. activity in the first week. Although the potency of the albumin fusion proteins is slightly lower than the unfused counterparts in rapid bioassays, their biol. stability results in much higher biol. activity in the longer term in vitro assay or in vivo assays. Addnl., the present invention encompasses pharmaceutical compns. comprising albumin fusion proteins and methods of treating, preventing, or ameliorating diseases, disorders or conditions using albumin fusion proteins of the invention.

ST albumin fusion therapeutic protein shelflife

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(1-309; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(11; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(12; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(15; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(17; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(18; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(19; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(21; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(2; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(331D5; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(3; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(4-1BB; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(4; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(5; albumin fusion proteins with therapeutic proteins for improved

shelf-life)
IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(61164; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(6; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(7; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Bone morphogenetic proteins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(9; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Platelet-derived growth factors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(AA; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(ACRP-30; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(ADEC (adenoid expressed chemokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Interleukins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(AGF; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(APM-1; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Act-2; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Platelet-derived growth factors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(BB; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(BCMA; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Platelet-derived growth factors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Bv-sis; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, 2; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, 3; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, DGWCC; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, DVic-1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, ELC; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, HCC-1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, IBICK; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, ILINCK; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, SLC (secondary lymphoid chemokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-C, STCP-1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic

use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-X-C, 3; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C-X-C; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C10; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Troponins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(C; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CCC3; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CCF18; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CCR2; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT CD antigens
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CD27; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Glycoproteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CD40-L (antigen CD40 ligand); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CTAP-III (connective tissue activating protein III); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Antigens
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CTLA-8; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokine receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(CXCR3; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Cerebus; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Chr19Kine; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Platelet-derived growth factors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(D; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Cytokine receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(DR3 (death receptor 3); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(EDAR; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(EDIRF I protein; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(EEC (eosinophil expressed chemokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(ENA-78 (epithelial neutrophil activating protein-78); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Hemopoietins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(FLT3 ligand; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(HCC-1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Troponins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(I; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(L105-7; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(LVEC-1 (liver expressed chemokine 1); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(LVEC-2 (liver expressed chemokine 2); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Lyn-1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(M110; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(M11A; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MACK (mammary associated chemokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MCP-3α and MCP-3β; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MCP-4; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MCPP (monocyte chemotactic proprotein); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MDC (macrophage-derived chemokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Monokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MIG (monokine induced by γ-interferon); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MIG-β; albumin fusion proteins with therapeutic proteins for

improved shelf-life)
IT Interleukins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MIRAP; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(MP52; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(NOGO-66; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(NOGO-A; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(NOGO-B; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(NOGO-C; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Antigens
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(OX-40; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(PF4; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(PGBC (pituitary expressed chemokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Chemokine receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(RANTES; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(SISD; albumin fusion proteins with therapeutic proteins for improved shelf-life)
IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(SLC (secondary lymphoid tissue chemokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Troponins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(T; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(TAC1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Cytokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(TARC (thymus and activation regulated cytokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(TMEC (T cell mixed lymphocyte reaction expressed chemokine); albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Tarc; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Tim-1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(Troy; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(ZCHEMO-8; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(ZSIG-35; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Drug delivery systems
Gene therapy
Molecular cloning
(albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT CD30 (antigen)
CD40 (antigen)
Cell adhesion molecules
Cytokines
Enzymes, biological studies
Eotaxin
Erythropoietin receptors

Fas ligand
Fusion proteins (chimeric proteins)
Granulocyte-macrophage colony-stimulating factor receptors
Growth factors, animal
Interferons
Interleukin 1
Interleukin 1 receptor antagonist
Interleukin 11
Interleukin 13
Interleukin 14
Interleukin 15
Interleukin 17
Interleukin 18
Interleukin 1α
Interleukin 1β
Interleukin 3
Interleukin 4
Interleukin 4 receptors
Interleukin 5 receptors
Interleukin 6
Interleukin 6 receptors
Interleukin 8
Interleukin 8 receptors
Interleukin 9
Lymphotoxin
Monocyte chemoattractant protein-1
Neutrophil-activating peptide-2
Platelet-derived growth factors
RANTES (chemokine)
Stem cell factor
Synthetic gene
Tumor necrosis factor receptors
Tumor necrosis factors
Vascular endothelial growth factor receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin 10
Interleukin 12
Interleukin 2
Interleukin 5
Interleukin 7
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(b57; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(chemokine-like protein PF4-414; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Growth factors, animal
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(chondromodulins, -like protein; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(collapsins, antibodies for; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(exodus; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Signal peptides
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(for improved secretion in yeast or mammalian cells; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(**fractalkines**; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Agglutinins and Lectins
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(galectin-4; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gene Patched-2; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Vascular endothelial growth factor receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gene flt 1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Vascular endothelial growth factor receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gene flt 4; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gene patched; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(glycodelin-A; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(granulocyte chemotactic protein-2; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(gro-α; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gro-β; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(gro-γ; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(growth-related oncogene-α; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(growth-related oncogene-β; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(growth-related oncogene-γ; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Cytokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interferon-inducible IP-10; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin 10 receptors; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin 11; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin 12; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin 13; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin 15; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic

use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin 17; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin 9; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin C; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin-1 accessory; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(interleukin-2 receptor associated p43; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Lymphokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(lymphotactins; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(macrophage inflammatory protein 3α; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(macrophage inflammatory protein 3β; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(macrophage inflammatory protein 3γ; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Animal cell
(mammalian, recombinant expression host; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Antitumor agents
(melanoma; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(monocyte chemoattractant protein 3; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokine receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(monocyte chemoattractant protein-1; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(monocyte chemoattractant protein-2; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokine receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(monocyte chemoattractant protein-4; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(neurotactin; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Growth factors, animal
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(osteogenic protein 2; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Tumor necrosis factor receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(p75; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Plasmid vectors
(pC4:HSA, for mammalian cell expression; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Plasmid vectors
(pPPC0005, for yeast expression; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Plasmid vectors
(pScCHSa, for yeast expression; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Plasmid vectors
(pScNHSA, for yeast expression; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Placental hormones
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(placenta-derived mitogenic factors; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Saccharomyces cerevisiae
Yeast
(recombinant expression host; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Albumins, biological studies
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(serum; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Genetic element
RL: BUU (Biological use, unclassified); BIOL (Biological study); USES (Uses)
(signal sequence, for improved secretion in yeast or mammalian cells; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Antibodies
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic

use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(single chain; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(stem cell inhibitory factor; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Growth factors, animal
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(stroma-derived growth factor 1α and 1β; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Proteins, specific or class
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(therapeutic; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin 1 receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(type 3; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interleukin 1 receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(type II; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Interferons
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(α; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokine receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(β chemokine receptor CCR5; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokine receptors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(β chemokine receptor CCR7; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Transforming growth factors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(β1-; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Transforming growth factors
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(β2-; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Chemokines
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(β9; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT Thrombomodulin

RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(β; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT 78990-62-2P, Calpain
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(10a and 10b and 10c; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT 50-56-6P, Oxytocin, biological studies 9002-62-4P, Prolactin, biological studies 9002-67-9P, Luteinizing hormone 9002-68-0P, FSH 9002-72-6P, Growth hormone 9004-10-8P, Insulin, biological studies 9014-42-0P, Thrombopoietin 11000-17-2P, Vasopressin 11096-26-7P, Erythropoietin 33507-63-0P, Substance P 67763-96-6P, Insulin-like growth factor 1 83869-56-1P, GM-CSF 106096-92-8P, Acidic fibroblast growth factor 106096-93-9P, Basic fibroblast growth factor 122191-40-6P, ICE proteinase 123584-45-2P, Fibroblast growth factor 4 129653-64-1P, Fibroblast growth factor 5 130939-41-2P, Fibroblast growth factor 6 130939-66-1P, Neurotrophin 3 140208-23-7P, Plasminogen activator inhibitor-1 141760-45-4P, Furin 142243-03-6P, Plasminogen activator inhibitor-2 143011-72-7P, G-CSF 143375-33-1P, Neurotrophin 4 148348-14-5P, Fibroblast growth factor 3 151185-16-9P, Fibroblast growth factor 9 157857-21-1P, Maspin 164003-41-2P, Fibroblast growth factor 8 185915-22-4P, Fibroblast growth factor 13 187888-07-9P, Endostatin 193363-12-1P, Vascular endothelial growth factor D 203874-76-4P, Fibroblast growth factor 12 204719-95-9P, Fibroblast growth factor 16 214210-47-6P, Neuropilin 1 219563-02-7P, Vascular endothelial growth factor E 227018-38-4P, Neuropilin 2 271597-10-5P, Growth/differentiation factor 1 322637-18-3P, Fibroblast growth factor 18 331718-56-0P, Resistin 332350-92-2P, Bone morphogenetic protein receptor kinase 3
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT 144114-21-6, Retropepsin
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibitors; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT 127464-60-2P, Vascular endothelial growth factor
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(isoforms; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT **127361-02-8DP**, Albumin (human blood serum clone HSA-II/HSA-I-A protein moiety reduced), full-length or subfragment fusion products
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(nucleotide sequence; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT 155945-98-5, PN: US5962255 SEQID: 59 unclaimed DNA 156163-00-7 167728-69-0 167728-70-3 167728-71-4 167728-72-5 167728-73-6 167731-70-6 167731-74-0, PN: US5962255 SEQID: 56 unclaimed DNA 167731-75-1, PN: US5962255 SEQID: 57 unclaimed DNA 167731-76-2, PN: US5962255 SEQID: 58 unclaimed DNA 167731-77-3, PN: US5962255 SEQID: 60 unclaimed DNA 167731-78-4, PN: US5962255 SEQID: 61 unclaimed DNA 167731-79-5 167731-80-8 167731-81-9 167732-10-7 167732-11-8, PN: US5962255 SEQID: 551 unclaimed DNA 167732-12-9 167732-13-0 167732-14-1, PN: US5962255 SEQID: 554 unclaimed DNA 167732-15-2, PN:

US5962255 SEQID: 555 unclaimed DNA 167732-16-3 167732-17-4
167732-18-5 167732-19-6, PN: US5962255 SEQID: 98 unclaimed DNA
167732-20-9, PN: US5962255 SEQID: 572 unclaimed DNA 167732-21-0
167732-22-1, PN: US5962255 SEQID: 574 unclaimed DNA 195164-37-5
217893-77-1, GenBank A63614 217893-78-2, GenBank A63615 217893-79-3,
GenBank A63616 217893-80-6, GenBank A63617 217893-81-7, GenBank A63618
217893-82-8, GenBank A63619 217893-83-9, GenBank A63620 217893-84-0,
GenBank A63621 217893-85-1, GenBank A63622 217893-86-2, GenBank A63624
217893-89-5, GenBank A63627 217893-90-8, GenBank A63628 217893-91-9,
GenBank A63629 217893-92-0, GenBank A63630 244008-03-5, PN: WO9947540
SEQID: 3 unclaimed DNA 367319-52-6 367319-53-7 367319-54-8
367319-55-9 367319-56-0 367319-57-1 367319-58-2 367319-59-3
367319-60-6 367319-61-7 367319-62-8 367319-63-9 367319-64-0
367319-65-1 367319-66-2 370965-07-4 370965-08-5
RL: PRP (Properties)
(unclaimed nucleotide sequence; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT 122024-47-9 131748-18-0 244008-06-8, PN: WO9947540 SEQID: 4 unclaimed DNA 244008-07-9, PN: WO9947540 SEQID: 5 unclaimed DNA 244008-08-0, PN: WO9947540 SEQID: 6 unclaimed DNA 244008-09-1, PN: WO9947540 SEQID: 7 unclaimed DNA 244008-12-6, 8: PN: WO0183510 SEQID: 8 unclaimed DNA 244008-13-7, PN: WO9947540 SEQID: 9 unclaimed DNA 367273-46-9
367273-47-0 367273-48-1 371149-71-2
RL: PRP (Properties)
(unclaimed sequence; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT 102510-92-9P, Inhibin A
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(α- and β-subunits; albumin fusion proteins with therapeutic proteins for improved shelf-life)

IT 9061-61-4P, Nerve growth factor
RL: BPN (Biosynthetic preparation); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(β; albumin fusion proteins with therapeutic proteins for improved shelf-life)

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